

DINGER-PRO-3B/W

4MP Wi-Fi Video Doorbell



- 4 MP (2688 × 1520)@15 fps, 1/3" CMOS image sensor
- 2.3 mm fixed lens, WDR, 3D NR, HLC, BLC
- H.265 & H.264 dual-stream encoding
- Supports 2.4GHz/5GHz Dual-Band Wi-Fi, Wi-Fi 6
- 2x IR LEDs, 33 ft Max. IR Distance
- IP65, 256GB Micro SD Support (memory card not included)
- Compatible with SINGER-3B/W (mechanical chimes not supported)

Technical Specification

Camera

Image Sensor	1/3" CMOS
Effective Pixels	2560 (H) × 1440 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
S/N Ratio	> 56 dB
IR Distance	Distance up to 33 ft (10.06 m)
IR On/Off Control	Auto / Manual / Off
IR LEDs	2 x IR Lights

Lens

Lens Type		Fixed			
Focal Length		2.3mm			
Max. Aperture		F2.2			
Angle of View		H: 125.3°; V: 69.3°; D: 149.8°			
Close Focus Distance		1.64 ft (0.5m)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.3 mm	151 ft	60 ft	30 ft	15 ft

Video

Compression	H.265; H.264
Smart Codec	Supported
Streaming Capability	2 Streams
Resolution	4M (2560 × 1440), 1080p (1920 × 1080), 720p (1280 × 720), 640 × 360, 320 × 240
Frame Rate	Main stream: 2560 × 1440@15 fps, 1920 × 1080@15 fps, 1280 × 720@15 fps
	Sub stream: 640 × 360@15 fps, 320 × 240@15 fps
Bit Rate Control ¹	CBR/VBR
Bit Rate ¹	H.264: 1792 Kbps to 4096 Kbps H.265: 512 Kbps to 4096 Kbps
Day/Night ¹	Auto(ICR) / Color / B/W
Backlight Mode	Off / WDR / BLC ¹ / HLC ¹
White Balance ¹	Auto/Outdoor/Daylight/Street Lamp/Manual/Custom Regional.
Noise Reduction ¹	3D NR

¹. Accessible only from NVR UI

Flip ¹	0°, 180°
Mirror ¹	Off / On
Privacy Masking ¹	Off / On (4 Area, Rectangle).

Audio

Input	Built-in Microphone
Output	Built-in Speaker
Compression	G.711a, G.711Mu, PCM

Intelligence

Vehicle Detection	Supported
Human Detection	Supported

Network

Wireless Communication Technology	2.4GHz/5GHz Dual-Band Wi-Fi (Wi-Fi 6), Bluetooth
Protocol	IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, Auto Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP, ARP, NTP, Multicast, NFS
Interoperability	ONVIF (Profile S/Profile G/Profile T)
Storage	Micro SD card (support max. 256 GB)
Management Software	ICView Core
Smart Phone	IOS, Android

Construction

Casing	Plastic
Dimensions	5.31" × 1.77" × 0.92" (135 mm × 45 mm × 23.25 mm)
Net Weight	0.22 lb (99.3 g)
Gross Weight	0.56 lb (255 g)

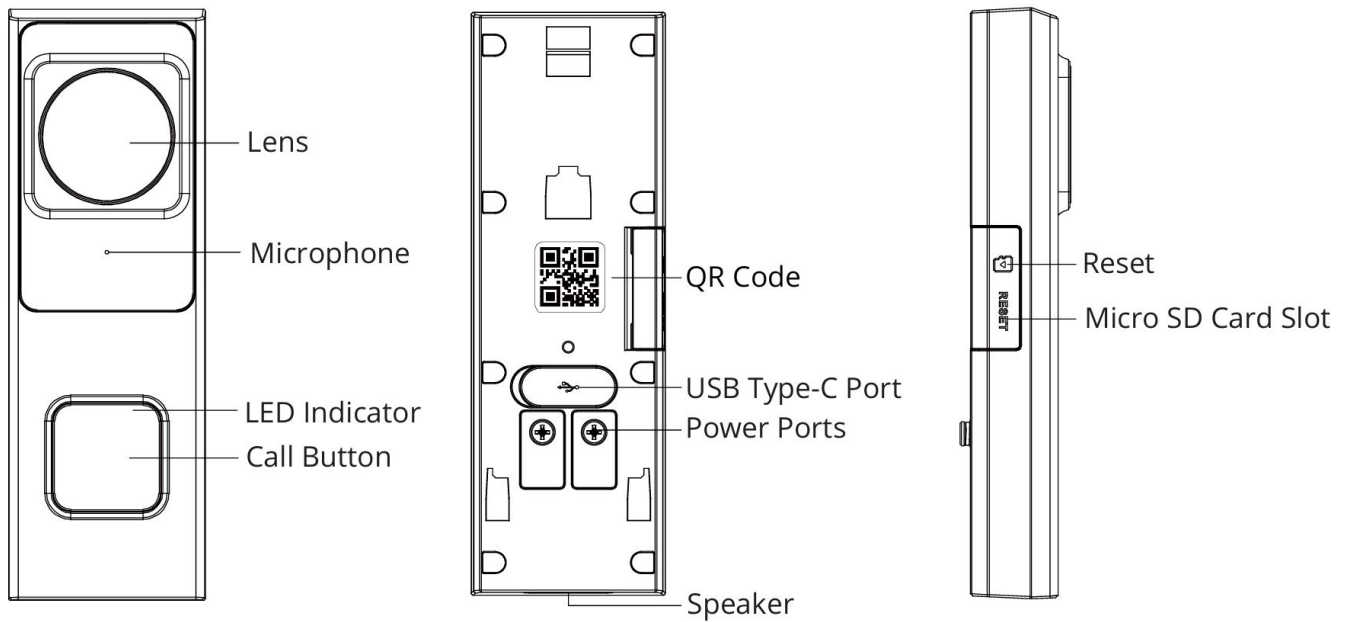
Electrical

Power Supply	USB (5 VDC±5%, 2 A) or binding post power supply (10–24 VDC/14–24 VAC, 1.0A)
Power Consumption	Basic: 1.7 W (5 VDC), 2.1 W (24 VDC), 2.2 W (24 VAC) Max.: 3.7 W (5 VDC), 4.5 W (24 VDC), 4.6 W (24 VAC)

Environmental

Operating Conditions	–4 °F to +131 °F (–25 °C to +55 °C) / less than 95% (RH), non-condensing
Storage Conditions	–22 °F to +140 °F (–30 °C to +60 °C) / less than 95% (RH), non-condensing
Ingress Protection	IP65

Hardware Overview



Dimensions (mm/in)

